Unit 1, Lesson 5: Practice Problems

1. Rectangles P, Q, R, and S are scaled copies of one another. For each pair, decide if the scale factor from one to the other is greater than 1, equal to 1, or less than 1.
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	1. from P to Q
	2. from P to R
	3. from Q to S
	4. from Q to R
	5. from S to P
	6. from R to P
	7. from P to S
1. Triangle S and Triangle L are scaled copies of one another.
	1. What is the scale factor from S to L?
	2. What is the scale factor from L to S?
	3. Triangle M is also a scaled copy of S. The scale factor from S to M is $\frac{3}{2}$. What is the scale factor from M to S?
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1. Are two squares with the same side lengths scaled copies of one another? Explain your reasoning.
2. Quadrilateral A has side lengths 2, 3, 5, and 6. Quadrilateral B has side lengths 4, 5, 8, and 10. Could one of the quadrilaterals be a scaled copy of the other? Explain.
3. Select **all** the ratios that are equivalent to the ratio $12:3$. Explain how you know.
	1. $6:1$
	2. $1:4$
	3. $4:1$
	4. $24:6$
	5. $15:6$
	6. $1,​200:300$
	7. $112:13$